

10/764,170 J.M.
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A. Amendments to the Specification

Please amend the paragraph beginning at p. 10, l. 1¹⁷~~6~~ as follows:

In practice, a seven-segment display could be constructed by tooling (such as by punching or NC drilling) or molding a substrate (such as a printed wiring board) with penetrations corresponding to the seven segments, plating the side walls of the penetrations using known plating techniques, and attaching a suitable light source (such as a surface-mount LED of appropriate color) proximate the entrance opening of each penetration using a suitable technique (such as a reflow-solder technique, using known surface-mount component process equipment), opposite the exit opening and any diffuser or fascia that might be located proximate the exit opening. Other user interface components (such as sensors or other components) could be mounted to the substrate at the same time or as a step during the same production process, thus reducing overall manufacturing cost and yielding an interface of smaller size than could be manufactured using conventional discrete components. For example, a sensor 40 can be mounted on the first surface 14 of substrate 12, as shown in FIG. 1B. A sensor could be mounted on other portions of display 10 as well. The illustrated sensor 40 includes a first electrode 42, a second electrode 44, and an active component or integrated circuit 46. Other types of sensors or components could be used instead of or in addition to the illustrated sensor. In another embodiment, the penetrations could be filled with a material, such as an epoxy, having an appropriate refractive index, in lieu of plating. In further embodiment, the substrate could be tooled or molded with cavities instead of penetrations, the penetrations could be filled with a refractive material or the side walls thereof could be plated.